

Title (en)

WIRELESS COMMUNICATION SYSTEM, WIRELESS COMMUNICATION METHOD, AND WIRELESS DEVICE

Title (de)

Drahtloses Kommunikationssystem, drahtloses Kommunikationsverfahren und drahtlose Vorrichtung

Title (fr)

SYSTÈME DE COMMUNICATION SANS FIL, PROCÉDÉ DE COMMUNICATION SANS FIL ET DISPOSITIF SANS FIL

Publication

EP 2237588 A1 20101006 (EN)

Application

EP 08869008 A 20081212

Priority

- JP 2008073135 W 20081212
- JP 2007341277 A 20071228
- JP 2008287696 A 20081110

Abstract (en)

After checking a status of frequency band usage of a primary system by preliminary sensing, a master node transmits to slave nodes a sensing request containing a target frequency band for cooperative sensing. The slave nodes perform spectrum sensing according to specified parameters and send, as responses, results thereof to the master node. The master node collectively receives these results, comprehensively determines the sensing results of the slave nodes, and makes a final determination on whether or not the target frequency band is available.

IPC 8 full level

H04W 16/14 (2009.01); **H04W 24/10** (2009.01)

CPC (source: EP US)

H04W 16/14 (2013.01 - EP US); **H04W 24/10** (2013.01 - EP US)

Cited by

EP2871878A4; EP2384044A4; US8849338B2; US8923881B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2237588 A1 20101006; **EP 2237588 A4 20160511**; **EP 2237588 B1 20190821**; JP WO2009084465 A1 20110519; US 2011199965 A1 20110818; US 8472378 B2 20130625; WO 2009084465 A1 20090709

DOCDB simple family (application)

EP 08869008 A 20081212; JP 2008073135 W 20081212; JP 2009548008 A 20081212; US 80897508 A 20081212